

Notice of Allowability

Application No.

09/781,522

Examiner

Kristie Shingles

Applicant(s)

O'ROURKE ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/9/05.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 3/3/06.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

kds/20060303


RUPAL DHARIA
SUPERVISING PATENT EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Atty. Charles S. Fish on March 3, 2006.

The application has been amended as follows:

- Please insert—"now abandoned"— after "December 29, 2000 into line 2 of the CROSS-REFERENCE TO RELATED APPLICATIONS section of the specification. The CROSS-REFERENCE TO RELATED APPLICATIONS section of the specification should now read—
"This application claims priority to U.S. Application Serial No. 09/751,317, filed December 29, 2000, now abandoned, entitled "Method Allocation Scheme for Server Load Balancers Services in a High Throughput Environment". This application also relates to and was filed concurrently with U.S. Patent Application Serial No. 09/780,755 filed February 8, 2001, entitled "Preallocation of Client Network Address Translation Addresses for Client-Server Networks" (Attorney Docket No. 062891.0460)." --

Response to Arguments

2. This action is responsive to the Remarks received on 12/9/2005. Claims 2-9 and 11-18 were subject to a species restriction. Applicant elected with traverse Claims 9 and 11; hence Claims 1, 9-11, 19 and 20 were examined..
3. Claims 1-20 are allowed.

Reasons for Allowance

4. The following is the Examiner's statement of reasons for allowance:

The prior art or record fails to teach neither singly nor in combination, the claimed limitation of "a memory pool operable to store client NAT addresses, each client NAT address being associated with an identity of an entity on a network; a control block, said control block constructed and arranged to contain at least one parameter, said control block containing an address for said memory pool, said control block identifying client NAT addresses for the computer system determined prior to allocation of said memory pool; wherein said memory pool includes at least one subpool header, said subpool memory having a plurality of connection blocks, each connection block being populated with a particular one of said client NAT addresses as allocated by said control block; wherein an individual client NAT address may be either free or allocated, but client NAT addresses remain allocated in said subpool memory until all of said client NAT addresses in said connection blocks of said subpool memory are free" as stated in Claims 1-120. Specifically, none of the prior art of record teaches at least one subpool

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header being pointed to by said pointer of said pool header and means for creating a client NAT subpool within said memory pool, allocating to said client NAT subpool particular addresses within said client NAT address range; wherein said particular address within said client NAT address range remain allocated within said subpool until all of said particular address within said client NAT address range of said client NAT subpool have been freed. This limitation, in conjunction with other limitations in the independent and dependent claims, is not specifically disclosed or remotely suggested in the prior art of record. A review of Claims 1-20 in view of the Examiner's remarks above, indicates that Claims 1-20 are allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kristie Shingles whose telephone number is 571-272-3888. The examiner can normally be reached on Monday-Friday 8:30-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kristie Shingles
Examiner
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